

Title (en)

PLEATED CONSTRUCTION FOR EFFECTING GAS TRANSFER MEMBRANE

Title (de)

GEFALTETE KONSTRUKTION ZUR IMPLEMENTIERUNG EINERGASTRANSFERMEMBRAN

Title (fr)

CONSTRUCTION EN ACCORDEON PERMETTANT D'EFFECTUER UN PASSAGE A TRAVERS UNE MEMBRANE DE TRANSFERT GAZEUX

Publication

EP 1615713 A4 20061102 (EN)

Application

EP 04750404 A 20040422

Priority

- US 2004012247 W 20040422
- US 46452303 P 20030422

Abstract (en)

[origin: WO2004094022A2] A contactor for effecting passage through a membrane from a first fluid a second fluid is provided. A cylindrical pleated membrane cartridge is positioned within a housing having a first inlet and a first outlet from a first fluid and at lest a second outlet for a second fluid. At least one baffle is positioned within a first flow path for the first fluid.

IPC 8 full level

B01D 53/22 (2006.01); **B01D 19/00** (2006.01); **B01D 61/00** (2006.01); **B01D 63/06** (2006.01)

IPC 8 main group level

B01D (2006.01)

CPC (source: EP KR US)

B01D 19/0031 (2013.01 - EP US); **B01D 53/22** (2013.01 - EP KR US); **B01D 61/00** (2013.01 - EP US); **B01D 63/067** (2013.01 - EP US); **B01D 63/14** (2013.01 - EP US); **C02F 1/20** (2013.01 - EP US); **C02F 1/78** (2013.01 - EP US); **B01D 2313/08** (2013.01 - EP US); **B01D 2313/086** (2013.01 - EP US); **B01D 2313/44** (2013.01 - EP US); **C02F 2201/782** (2013.01 - EP US); **C02F 2201/784** (2013.01 - EP US)

Citation (search report)

- [X] WO 9800225 A1 19980108 - KREBS & CO AG [CH], et al
- [A] DE 3918430 A1 19901220 - SOMMER WERNER DR ING [DE]
- [A] WO 0013767 A1 20000316 - PALL CORP [US], et al
- [A] WO 0236252 A1 20020510 - INV CO LTD [JP], et al
- [A] US 3637078 A 19720125 - HOLLAR BARTLEY DOUGLASS
- See references of WO 2004094022A2

Designated contracting state (EPC)

DE FR GB IT NL

DOCDB simple family (publication)

WO 2004094022 A2 20041104; **WO 2004094022 A3 20041223**; CN 100361729 C 20080116; CN 1741841 A 20060301; EP 1615713 A2 20060118; EP 1615713 A4 20061102; JP 2006524133 A 20061026; KR 20060011961 A 20060206; TW 200505554 A 20050216; US 2007017366 A1 20070125; US 7387661 B2 20080617

DOCDB simple family (application)

US 2004012247 W 20040422; CN 200480002564 A 20040422; EP 04750404 A 20040422; JP 2006513179 A 20040422; KR 20057019956 A 20051021; TW 93111287 A 20040422; US 55489705 A 20051028